

19990206.qrp v01\_n359.qrl.990206

Date: Sat, 6 Feb 1999 19:10:01 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1359

QRP-L Digest 1359

Topics covered in this issue include:

- 1) [32211] Ordering the Variable Caps  
by wb2vuo@juno.com
- 2) [32212] Re: SST es Rayovac Renewals...  
by Larry Cahoon <wd3p@juno.com>
- 3) [32213] IAQRP Net Saturday Morning and no joy yet for NC20  
by "John Burnley" <burnley-ia@worldnet.att.net>
- 4) [32214] Sierra / K2 & Pontiac Blue  
by Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>
- 5) [32215] FYBO  
by Brad Bradfield <b\_bradfield@yahoo.com>
- 6) [32216] QsImaker, excellent, and need help/advice  
by Scott Howell <whowell@hq.nasa.gov>
- 7) [32217] Double Whammy:  
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 8) [32218] RE: Apology  
by aweiss@usd.edu (Ade Weiss W0RSP)
- 9) [32219] FS:Scout  
by K8ff@aol.com
- 10) [32220] Re: Fox: What a night!  
by af852@rgfn.epcc.edu
- 11) [32221] T-minus 8-10wks & counting  
by Rod Cercone <rlc@fii.com>
- 12) [32222] Re: SST es Rayovac Renewals...  
by "Bruce Prior" <n7rr@hotmail.com>
- 13) [32223] NC20 has arrived  
by Steve <smann@advi.net>
- 14) [32224] re: 1Watt or less SWR Meter?  
by Jim <kj5tf@madisoncounty.net>
- 15) [32225] Re:Bruce and the FOX  
by k5zty@juno.com
- 16) [32226] Re: T-minus 8-10wks & counting  
by Rod Cercone <rlc@fii.com>
- 17) [32227] Contacts with Nicaragua  
by "Harvey Mitchell" <Yn6hm@tec.com.ni>
- 18) [32228] re: Hamstick ground planes  
by "Michael Babineau" <michael.babineau@sympatico.ca>
- 19) [32229] FYBO...ready to go!

- by tom whalen <wb5qyt@eFortress.com>
- 20) [32230] Re: compact QRP rig for 15m? (results)  
by "David Ek" <ekdave@earthlink.net>
- 21) [32231] 253 caps! Enough for all?  
by wb2vuo@juno.com
- 22) [32232] My 1st 160M milliwatt QSO  
by Jim <kj5tf@madisoncounty.net>
- 23) [32233] FYBO Start Time!!  
by David Fifield <fifield@pacbell.net>
- 24) [32234] Re: Label stick-em question  
by applitech@mcg.net (Claton Cadmus)
- 25) [32235] Tromelin  
by "James A. Carmody" <carmodyjim@earthlink.net>
- 26) [32236] Trade for something QRPish?  
by Jeff Johns <jeffj@scott.net>
- 27) [32237] Rainbow Tuner  
by Jeff Johns <jeffj@scott.net>
- 28) [32238] Hot Water Contest Award.  
by Ed Loranger <we6w@juno.com>
- 29) [32239] FYBO 1400z to 0200z.  
by Ed Loranger <we6w@juno.com>
- 30) [32240] NC20 - A few more tips  
by Gary L Surrency <gsurrency@juno.com>
- 31) [32241] Re: My 1st 160M milliwatt QSO  
by N7YA@aol.com
- 32) [32242] OHR E-Mail Address Info  
by Willie Martin <71052.134@compuserve.com>
- 33) [32243] A Simple 'Touch' Paddle  
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 34) [32244] Touch keyer  
by "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>
- 35) [32245] Elmer200: Crystal Tester Experiment 19990206  
by Chuck Adams <adams@ticnet.com>
- 36) [32246] Re: Elmer200: Crystal Tester Experiment 19990206  
by W7LS <w7ls@blarg.net>
- 37) [32247] Almost All Digital Electronics - URL  
by Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>
- 38) [32248] Re: NC20 notes, plus a short comparison review.  
by Donald E Sanders <w4bws@juno.com>
- 39) [32249] Re: Apology  
by Tom Palmer <n1tp@worldnet.att.net>
- 40) [32250] Re: Bruce and the FOX  
by Tom Palmer <n1tp@worldnet.att.net>
- 41) [32251] Free 38 Special Kit winner  
by malman@world.std.com (joel malman)
- 42) [32252] RE: Lithium AA cells  
by "Ed Tanton" <n4xy@mindspring.com>
- 43) [32253] Parking Lot Portable Vertical (PLPV) Description (Long)

by Sam Billingsley <SBillingsley@usaninc.com>  
44) [32254] science friday morse show  
by Dan Presley <talljazz@teleport.com>  
45) [32255] 38 Special Kit, Sold  
by malman@world.std.com (joel malman)  
46) [32256] Re: Demise of Morse Code (except here, of course)  
by W5TB <w5tb@softhome.net>  
47) [32257] 10 minute timer  
by ac5ez@webtv.net (Larry B)  
48) [32258] AL7FS FYBO 1422z  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
49) [32259] Re: 10 minute timer  
by Wa2eaw@aol.com  
50) [32260] K2 is alive in Florida  
by Jerry Henshaw <jhenshaw@bellsouth.net>  
51) [32261] FS: Ten Tec Paragon  
by "Tim Cook" <timcook@erinet.com>  
52) [32262] W1FB's HW-7  
by Thomas Upton <stjohn@ocsnet.net>  
53) [32263] SB-300 CW Filter source Found !!!  
by HWRM1SS@aol.com  
54) [32264] Re: SB-300 CW Filter source Found !!!  
by HWRM1SS@aol.com  
55) [32265] Rigs for Sale - lower prices  
by "Steve Miller" <kg7pv@hevanet.com>  
56) [32266] FS: Paragon additional Info  
by "Tim Cook" <timcook@erinet.com>  
57) [32267] AL7FS FYBO 1720z  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
58) [32268] FS: OHR-400  
by wo7t@juno.com  
59) [32269] NC20 Goes to School  
by Ralph L Irons <n7ri@juno.com>  
60) [32270] NVIS practice today near OKC  
by Jim Glover <psykey@okcforum.org>  
61) [32271] AL7FS FYBO 1815z  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
62) [32272] torriod inducatnce with ADC L/CII  
by "Steven Weber" <kd1jv@moose.ncia.net>  
63) [32273] If you bring your K2 to the NorCal meeting....  
by n6kr@elecraft.com (Wayne Burdick)  
64) [32274] TenTec 1340  
by "Jeff Davis (N9AVG)" <jeff@jehosophat.com>  
65) [32275] Re: K2 S/N? yes!  
by "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>  
66) [32276] NC-20 Power Jack  
by K2UD@aol.com  
67) [32277] Re: If you bring your K2 to the NorCal meeting....

by Ron Stark <ku7y@dri.edu>  
68) [32278] Re: If you bring your K2 to the NorCal meeting....  
by N0RC <rwc@frii.com>  
69) [32279] FYBO  
by Tom Palmer <n1tp@worldnet.att.net>  
70) [32280] Re: If you bring your K2 to the NorCal meeting....  
by David Fifield <fifield@pacbell.net>  
71) [32281] Re: NC-20 Power Jack  
by David Fifield <fifield@pacbell.net>  
72) [32282] FYBO - Apology  
by David Fifield <fifield@pacbell.net>  
73) [32283] WTB-I'M LOOKING FOR....  
by KB90CE@aol.com  
74) [32284] FYBO - 15M to Alaska...  
by Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>  
75) [32285] Parking lot Vertical  
by N10DL@aol.com  
76) [32286] AL7FS FYBO 2100z  
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
77) [32287] FYBO  
by Tom Palmer <n1tp@worldnet.att.net>  
78) [32288] Ham magazines at Norcal meeting  
by WD6BOR@aol.com  
79) [32289] NC-20  
by John Sullivan <kg0mz@southwind.net>  
80) [32290] FISTS?  
by David Fifield <fifield@pacbell.net>  
81) [32291] Re: FISTS?  
by "Francis Callahan" <colcal@srv.net>  
82) [32292] Re:Bruce and the FOX  
by Bruce Rattray <rattray@gpfn.sk.ca>  
83) [32293] Re: FISTS?  
by "Marshall Emm" <mgemm@mtechnologies.com>  
84) [32294] contact cleaning  
by ac5ez@webtv.net (Larry B)  
85) [32295] test do not read  
by "The one and only!" <mitch96@pobox.com>  
86) [32296] Re: FISTS?  
by "George T. Baker" <w5yr@swbell.net>  
87) [32297] Re: Rigs for Sale - lower prices  
by "Steve Miller" <kg7pv@hevanet.com>

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Date: Fri, 05 Feb 1999 19:16:15 EST  
From: wb2vuo@juno.com  
To: qrp-l@lehigh.edu  
Subject: [32211] Ordering the Variable Caps

Message-ID: <19990206.001505.5127.0.wb2vuo@juno.com>

OK. Things are falling together just fine. I will have the first batch by Wednesday, so those interested (52 so far!), send your check/MO to:

William Keith Hibbert  
41 North Lake Avenue  
Bergen, NY 14416

Write "CAPS" on the envelope so I/we can sort them out of the normal fliers and bills...

Tom is sending me the first of the boxes, the "bigger" one, and says that there's possibly some more variables in the next auction lot. We'll see.

I forgot about NYS sales tax! We have already paid it, so you won't have to, BUT...

The price will be \$4.25 postpaid. Smaller orders will go out in a padded mailer and larger ones will be boxed. First-class mail will be used unless requested otherwise. If you want them Fed-X, I'll have to check on the shipping price for that.

I will be shipping the first caps as soon as the parts are here, and the payments, of course. Include your shipping address with the payment (a QSL card will do), and I hope to see the caps start to go out by next Thursday.

This is going to be fun! I am looking forward to hearing what projects these are going into.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon  
"My night light runs more power than my Rig!!!"

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Date: Sat, 6 Feb 1999 00:28:23 +0000  
From: Larry Cahoon <wd3p@juno.com>  
To: nodule01@mail.coin.missouri.edu, qrp-1@Lehigh.EDU  
Subject: [32212] Re: SST es Rayovac Renewals...

Message-ID: <19990206.003254.20558.0.wd3p@juno.com>

On Fri, 5 Feb 1999 15:35:30 -0600 "Nathan Odle"

<nodle01@mail.coin.missouri.edu> writes:

>Has anyone had any experience running their SST (or comparable rig)  
>from Rayovac Renewal rechargable alkalines? I picked up a charger and 8

I've used them a couple of time with the Sierra set at about 1 watt on day trips into the mountains. They worked well without a problem, but I never used them more than a couple of hours without recharging.

Keep in mind that these batteries are meant to be charged often and last the longest if they are charged before the get drained. I try not to use mine for more than 1/4 to 1/2 of their capacity. I have one set that got lost in my son's gameboy until he drained them and came looking for new batteries. I can always tell when I use that set. They always drain twice as fast then the other sets.

My recommendation is that if you are only going to use them for a couple of hours at a time and can recharge them between uses go ahead and use them. One thing I do is carry two sets of batteries at times. But that is more weight. If you are going to drain them every time you use them I think I'd just go with the cheapest alkalines I could find.

The other thing I go with at times is a 4.5 AH battery. That is a lot lighter than the 7 AH you looked at and still has more capacity than the AA type batteries.

72 de Larry.....WD3P in MD

WAS QRPp Contest - 6 states 1.605 Watts total power. 44 States to go.  
64 QSO for the millennium award ---- I have to get moving on that one.....

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

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Date: Fri, 5 Feb 1999 19:04:20 -0600

From: "John Burnley" <burnley-ia@worldnet.att.net>

To: <IaQRP-L@divis17.ped-gen.uiowa.edu>, <qrp-l@lehigh.edu>

Subject: [32213] IAQRP Net Saturday Morning and no joy yet for NC20

Message-ID: <19990206010542.BSOZ15154@burnley-ppp>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just a reminder to join us on the Iowa QRP Club net  
Saturday at 13:45 utc (7:45am CST) on 3.715 Mhz.  
Look for Jerry (WB0T) who will be net control.

The mailbox was still empty when I arrived home. Rats!  
Looking forward to the NC20 arrival.

72/73, John NU0V

-----  
Date: Fri, 5 Feb 1999 16:10:56 -0900  
From: Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>  
To: qrp-l@lehigh.edu  
Subject: [32214] Sierra / K2 & Pontiac Blue  
Message-ID: <v03007802b2e146def41e@[208.151.118.76]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

It don't get much better than this!!!

-45F outside, cozy warm woodstove (75F inside temp), listening to  
14.060 on the Sierra, the Mac bringing all my QRP-L buddies onto desk  
center, and the laptop on the sideboard with the K2 operation manual on the  
screen...

But it can get better... What is that call I hear finishing up a QSO  
and talking about the K2 ??? Well, it was Eric - WA6HHQ at about 519...  
I gave him a call and after a couple of trys he responds and gets my  
prefix... A very familiar sound to a KL7 is the signal going away shortly  
to be replaced by increased strength as the beam comes North... Eric's  
signal went to 549 and I received a 529... K2 @ 10W to Sierra @ 950mW...

What does all this have to do with "Pontiac Blue" ??? For those of  
you not old enough to remember, ask your dad about the "Blue" jewel in the  
middle of the Pontiac tail lights back in the 40's & 50's... Many other  
makes used them as well and they became an aftermarket product you could  
kludge on to your '55 Chevy's tail lights... I am here to tell you that  
the K2 sounds like "Pontiac Blue" looks, COOL !!! The tone of the K2 is  
very pleasant to listen to... It is kinda round and smooth but not too  
soft... Many rigs key way to hard for my taste, some are way too soft...

It is obvious that this rig was designed by CW buffs, to my ear it is just right...

So Eric, it was fun... But don't you two have some work to do??? Lets see if I send the check today, it should be getting here just about the time I reach back from the Bahamas... Do you guys take wimpy sled dogs in trade???

You all take care and have fun... I've got to go chop some wood and get back in here to the K2 manual... Look for you all on FYB0... At these temps I may just stay by the fire with the wimpy sled dog...

72 / 73 / oo's - Bruce - KL7H  
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>  
- 10 Meter Beacon: 28.2825 +/- KL7AQC / BCN

-----  
Date: Fri, 5 Feb 1999 17:23:27 -0800 (PST)  
From: Brad Bradfield <b\_bradfield@yahoo.com>  
To: Message posts for QRP-L <qrp-l@lehigh.edu>  
Subject: [32215] FYB0  
Message-ID: <19990206012327.16612.rocketmail@send203.yahoomail.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Good evening QRP'ers - -

Well, I've been praying all week for a cold night tonight for a good temperature multiplier in the morning. Unfortunately, It's only supposed to get down to the mid-50's tonight, and on top of that, it's supposed to start raining by midnight or so, and rain all day tomorrow. Ssooooo, my location in the Corinth City Park sounds like it may be a wash, literally. So I'm assuming that I'll have to go to my backup plan where there's some cover overhead.

Look for W5CGH tomorrow on 20 during the day, and on 40 ater dark.

Oh, well.

72's es 73's,



Brad, W5CGH

==

Brad Bradfield, PE           W5CGH                   Systems Engineer  
(ex WB0CGH)                                       Raytheon Systems Company

Real men talk with their fingers!!

QRP-L   #377                   SMIRK #4906  
ARS       #72                   Austin QRP Club   #e

-----  
DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

-----  
Date: Fri, 05 Feb 1999 20:33:17 -0500  
From: Scott Howell <[whowell@hq.nasa.gov](mailto:whowell@hq.nasa.gov)>  
To: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [32216] Qslmaker, excellent, and need help/advice  
Message-ID: <3.0.5.32.19990205203317.007fe5a0@mail.hq.nasa.gov>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ok, first, let me publically thank John who spent a great deal of time making Qsl Maker accessible for those of us lacking dem good eyes. Man this sucker is absolutely great!!!!

I have a rather small log considering I've been on hf for what...? a year or so and thus 65 or so contacts is not much. In any case one hell of a job to get caught up on cards. I got them all done. Now to get them labeled and in the mail.

Wow! that's a good thing. John did an excellent job and put up with my pestering him to make it possible.

So, soon I suspect he'll be releasing the next incredible version. Thanks John, you can't imagine how much I appreciate it.

Now for my need of assistance.

I realize my method of logging is a real drag. plugging all the info into a flat text file makes it really big and messy. I've tried a few windows based and dos based logging programs, but they seem to be to complex to fiddle with. SO, what I thought I'd do is make a file in MS turd..um..I mean Word and have a table or whatever you'd call it that would allow me to type in a call, hit the tab key and then put name etc. etc. and so on.

Can this be done, does anyone know how to do this, and if you have a better suggestion, please let me know.

I plan to eventually cut the cassette recorder out of the process, log the contact directly into a flat file, transfer the info to whatever app, and then that would be the logging process. Of course then I can just cut and dpaste the data into Qsl Maker and cards go out within a week or so and not a year<g>.

I figure the text file method is good in that I wouldn't have to worry about what will be coming from the other end. I just hammer in the info as I go or whatever and get the order straight after the contact. Makes sense ay?

well see you folks at FYBO.

tnx es 72/73 de Scott/n3byy  
Fists #5030

-----  
Date: Fri, 05 Feb 1999 19:43:52 -0600  
From: "Lawrence T. Owens" <w4dec@dibbs.net>  
To: qrp-l@Lehigh.EDU  
Subject: [32217] Double Whammy:  
Message-ID: <36BB9E58.22C@dibbs.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hello Gang,

Double Whammy in mail box this afternoon> Rcvd the NC20 kit and The great QRP Quarterly at same time. Doing HAPPY DANCE before starting to inventory the NC20 parts. Great kit and great parts.

The QRP quarterly in one great magazine and don't have to take a back seat to any of the so-called upscale magazine.

Many Thanks to the great guys who put the kit together and to all the great writers who have the great articles in the QRP quarterly.

Fine job and well done.

72,

Larry (W4DEC) QRP-L 1045

-----  
Date: Fri, 5 Feb 1999 19:46:48 -0600 (CST)  
From: aweiss@usd.edu (Ade Weiss W0RSP)

To: qrp-1@lehigh.edu  
Subject: [32218] RE: Apology  
Message-ID: <199902060146.TAA18036@sunburst.usd.ed>

Hi gang: Some of you probably heard me start back to the FOX K1MG Thur. nite when in fact he was QSO'ing someone else. My mistake -- I swore that I heard an "SP" when he "BK". I hate to have anyone think I interrupted intentionally!

72, Ade

-----  
Date: Fri, 5 Feb 1999 20:39:50 EST  
From: K8ff@aol.com  
To: qrp-1@lehigh.edu  
Subject: [32219] FS:Scout  
Message-ID: <b5d62bba.36bb9d66@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Tentec Scout with 937 power supply, noise blanker, hand mike and 6 band modules  
\$525.00 plus UPS.. Excellent condition Wayne K8FF

-----  
Date: Fri, 05 Feb 1999 19:07:37 -0800  
From: af852@rgfn.epcc.edu  
To: mgipe@reliablemeters.com, qrp-1@lehigh.edu  
Subject: [32220] Re: Fox: What a night!  
Message-ID: <36BBB1E1.38F2@rgfn.epcc.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Mike - it was great fun and you provided me with what may have been my first fox for this year - Thanks. I think I forgot to give you my power - 4 watts with the old FT757SX2. It was almost as if you were in the same part of town - such a signal. Head and shoulders above most if not all the chasers!

73 and thanks again.

Ray

--

-----  
Ray Colbert,

(also w5xe@juno.com)  
El Paso, Texas (Far West Texas)

-----  
Date: Sat, 6 Feb 1999 02:07 +0000  
From: Rod Cercone <rrc@frii.com>  
To: <qrp-1@lehigh.edu>  
Subject: [32221] T-minus 8-10wks & counting  
Message-ID: <199902060207.TAA24336@deimos.frii.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Folks:

I've enjoyed read all your posts about the NorCal 20, sounds like a great rig designed & supplied by a great bunch of people!!! Came late to the [QRP] party so no NC20 for me. :-)

BUT, not too late for the K2, I ordered one today. :-) So, keep those K2 posts coming!!! It will help pass the time until it arrives.

BTW: I ordered the basic K2 no extras. If there is a must have option pls let me know abt it.

72/3 NØRC  
Rod Cercone  
Fort Collins, CO

-----  
Date: Fri, 05 Feb 1999 18:09:24 PST  
From: "Bruce Prior" <n7rr@hotmail.com>  
To: nodle01@mail.coin.missouri.edu, qrp-1@Lehigh.EDU  
Subject: [32222] Re: SST es Rayovac Renewals...  
Message-ID: <19990206020925.23143.qmail@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain

Excellent Question, Nathan-

I haven't used the Rayovac Renewals on a rig yet, but I have used them in my Garmin GPS 12 XL. I haven't measured them with the GPS on continuously, but I have only recharged them once after a lot of use.

I'm pleased that they recharge up to 1.62 V each. They only cost about the double the regular non-rechargeable alkalines. I'm very interested because I'd like to use them on a long summer backpacking trip. Perhaps it might be possible to get some specs from Rayovac so I could build a current-limited charger so I can charge them on the fly with my flexible "Desert Storm" solar panel.

By the way, the solar panel will be useless for FYBO in NW Washington. It's blowin' and rainin' hard!

72, Bruce Prior Blaine, WA N7RR  
n7rr@hotmail.com

>From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

>

>

>Has anyone had any experience running their SST (or comparable rig) from

>Rayovac Renewal rechargeable alkalines? I picked up a charger and 8 cells

>today fairly inexpensively and plan on trying it out as soon as I verify the

>SST is operating correctly. In the meantime, though, I thought I'd try and

>find out what kind of life I should expect from them.

>

---

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-----  
Date: Fri, 05 Feb 1999 21:14:22 -0500

From: Steve <smann@advi.net>

To: qrp-l@lehigh.edu

Subject: [32223] NC20 has arrived

Message-ID: <36BBA57E.221D@advi.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Joy oh joy! It's finally here! Fantastic looking kit!

Steve, N4EY

-----  
Date: Fri, 05 Feb 1999 20:30:03 -0600

From: Jim <kj5tf@madisoncounty.net>  
To: qrp-1@Lehigh.EDU  
Subject: [32224] re: 1Watt or less SWR Meter?  
Message-ID: <36BBA92B.22EE@madisoncounty.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

You cant beat the Oak Hills WM-2. Winter priceing now. EZ'est kit I ever built. Measures watts 10 - .001 and SWR too. No kickbacks, just a happy customer..

Search, Oak Hills Research in Yahoo for the URL - Jim KJ5TF

I'm sure I've read about building a 1W or less SWR meter here or in the QRP quarterly, anyone remember?

My MFJ-9040 puts out about 5W when run on 13.8V but drops way down to 1.5-2W at 12Volts which is how I use it in the field. So, I neet an SWR meter to check the antenna out before I TX wid it while in the field, & the old clunker I have doesn't hack it.

72 & 73 de KE3FL  
Phil K

e-mail: ke3fl@juno.com  
Web: <http://www.qsl.net/ke3fl>

Anyone can buy a radio, an antenna, microphone, plug it in the wall and talk, but a real ham can take two pieces of wire and beat them together, and send a message when the going gets tough.

Talk is cheap, real hams beep.

-----  
Date: Fri, 5 Feb 1999 20:19:42 -0600  
From: k5zty@juno.com  
To: Rattray@siast.sk.ca  
Cc: qrp-1@Lehigh.EDU  
Subject: [32225] Re:Bruce and the FOX  
Message-ID: <19990205.202832.10182.3.k5zty@juno.com>

All of this from an "A1 Operator".

ROTFL.

Bill, K5ZTY

..got it Mike....now back to him...  
>.....BK...R R UR 339 SK..DAH DAH DAH DAH DAH DAH DAH DAH DAH DAH  
>DAH DAH  
>DAH DAH DAH DAH DAH DAH DAH DAH DAH!!!  
>....what's goin' on here!....GOOD GRIEF!.....my paddle's stuck on  
>dashes!  
>...".STOP...DESIST...DON'T DO THAT!"...DAH DAH DAH DAH DAH DAH ...I  
>can't  
>unstuck it...don't panick....I'll hit it with my hand....hit hit...HIT  
>HIT  
>HIT...ouch, that hurts...ok, OK....where's my hammer when I need  
>it?...I  
>know, I'll bang the whole paddle on the bench  
>top....BANG,BANG,BANG,BANG.....DAH DAH DAH DAH DAH  
>DAH....arrrrrrgh....I'm  
>gonna lose the pelt!....DAH,DAH,DAH,DAH,DAH...desperado!!.....DO  
>something....BASH,BASH,BASH, BASH.....aha!....unstuck and now with the  
>speed  
>of a bullet over to my vibroplex bug paddle and finish the  
>exchange!.....YES!.....mission accomplished....thank goodness I hadn't  
>taken  
>my shoes off....how sweet it is!.....  
>...72 - humbly, the Scribe.  
>  
>72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L# 886 ARCI# 9683  
> 10-10# 944 A1 Operators Club - Regina, Saskatchewan,  
>Canada  
>

-----  
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-----  
Date: Fri, 05 Feb 1999 19:41:15 -0700  
From: Rod Cerkoney <[rwc@frii.com](mailto:rwc@frii.com)>  
To: "Low Power Amateur Radio Discussion" <[qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)>  
Subject: [32226] Re: T-minus 8-10wks & counting  
Message-ID: <3.0.5.32.19990205194115.007fcdc0@mail.frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 02:07 AM 2/6/99 +0000, you wrote:

>Folks:

>

>I've enjoyed read all your posts about the NorCal 20, sounds lie a great rig  
                    ^^^^                    ^^^

READING

LIKE

Man if if could only type & spell better I could do some really cool things!

Red Faced

---

72/3 N0RC

Rod Cerkoney, QRP-L #1764.

Fort Collins, CO

da di dah

-----  
Date: Fri, 5 Feb 1999 16:15:28 -0600  
From: "Harvey Mitchell" <Yn6hm@tec.com.ni>  
To: "QRP-L mailing list" <qrp-l@Lehigh.EDU>  
Subject: [32227] Contacts with Nicaragua  
Message-ID: <000401be517a\$beae3360\$c6311ec8@H\_MITCH.ei.enron.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I will be in Nicaragua working until mid summer (if all goes well). If anyone needs a qso with YN, let me know. My operating time is somewhat limited, but I can usually operate on Sundays and some evenings. Please reply direct if you want to try a sked.

72/73,

Harvey Mitchell, YN6HM, K5YU

PS - My NC-20 is at home in Seabrook waiting until my XYL/QSL Manager/better half visits in March! Bummer!

-----  
Date: Fri, 5 Feb 1999 21:57:16 -0800  
From: "Michael Babineau" <michael.babineau@sympatico.ca>



To: <qrp-1@lehigh.edu>  
Subject: [32228] re: Hamstick ground planes  
Message-ID: <001f01be5195\$aacd22a0\$0c91acce@pavilion>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I'm actually using a temporary hamstick groundplane on 20 meters. It is mounted only up about 12ft on a steel pole with 3 1/4 wavelength radials drooping down. Antenna is fed with 50 ohm coax but I'm also using a matching coil that I purchased from Lakeview (the Hamstick people) at Dayton a few years ago.

It seems to work fine with my MFJ9420, I get coverage from 14.150 - 14.350 with SWR under 2.0 : 1 for this range.

In the recent NCJ NA QSO party I managed to work about 20 states in a couple of hours of casual operating.

Michael VE3WMB

P.S. Hope to work some of you folks in FYB0. I will be mobile, using my TT Argo 556 and hamsticks to hopefully cover 10/20/40 meters for a least a few hours.

-----  
Date: Fri, 05 Feb 1999 20:24:07 -0700  
From: tom whalen <wb5qyt@eFortress.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32229] FYB0...ready to go!  
Message-ID: <36BBB5D7.6DB6@eFortress.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

QRPer's!

Been looking at my NC20 and anxious to get started but, Im too pumped thinking about FYB0 tomorrow! I sure don't want any distractions when I start building that rig!

Looks like about 4 or 5 of us will meet up near the foothills of the Sandia Mountains ele. 6k., east of Albuquerque, NM  
This will be the station setup:

20m.....MFJ at 2 watts to a dipole at 20'  
15m.....GM-15 at 1 watt to a DEZ at 20'  
10m.....HTX-100 at 5 watts to a DEZ at 20'

If we can, will also be on 40 at night with the OHR Spirit.

Look for WB5QYT, N5KY, WB5USB, KH6JTM, KC5YC0, and maybe others..all local Albuquerque hams.

Have fun tomorrow!! 72, Tom WB5QYT..."Have spud and bug will travel!"

I'll leave the spud gun at home....no trees to fire at!

-----  
Date: Fri, 5 Feb 1999 20:47:09 -0700  
From: "David Ek" <ekdave@earthlink.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [32230] Re: compact QRP rig for 15m? (results)  
Message-ID: <000501be5183\$60844780\$93ac85ce@davidek>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Gang,

A few of you have expressed interest in my sharing what I found regarding QRP kits for 15m. Some of you reminded me that MFJ sells such a rig, as do Mizuho and others. A few pointed me to OHR, but alas, they don't make the -100A in a 15m model (I asked them--they sold an OHR-100 for 15m but the 100A for 15 didn't work very well so they don't sell one). Finally, many suggested moving the SST to 15m. This has been done by some list members successfully.

I haven't decided yet what I'll do. I haven't built an SST--maybe I'll go that route. Otherwise, I'll probably move my OHR to 15 at some point (Dick at OHR said they'd provide me with a parts list for the 15m version--thanks Dick!). Buying something already assembled takes all the fun out of it! ;-)

Meanwhile, tomorrow I'll be Dave the hermit (of the Mt. Herman Hermits) so be listening for me during FYBO. Conditions here are good (almost \*too\* good) for trotting up a mountainside and playing radio all day!

72 de Dave AB0G0

Colorado Springs

-----  
Date: Fri, 05 Feb 1999 23:09:34 EST  
From: wb2vuo@juno.com  
To: qrp-1@lehigh.edu  
Subject: [32231] 253 caps! Enough for all?  
Message-ID: <19990206.040757.5087.2.wb2vuo@juno.com>

Tom called tonite, and the count on the lot is 253 pieces! That ought to be enough to fill the requests to date with enough left over to make a hamfest run next month...

I don't have a count on them, but I found a bag of 1/4"-shaft 0.5-8.0 pF variables here. They are Johnson P/N 160-98. More info to follow on these...

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp. Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon  
"My night light runs more power than my Rig!!!"

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or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Fri, 05 Feb 1999 22:25:32 -0600  
From: Jim <kj5tf@madisoncounty.net>  
To: qrp-1@Lehigh.EDU  
Subject: [32232] My 1st 160M milliwatt QSO  
Message-ID: <36BBC43C.7D79@madisoncounty.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Just met Carl, WB0CFF on 1.809MHz at 02:38z 2/6/99 - He used Ten Tec, and I was running 90mW from my QRP+ to a Vee dipole. Mn is another new state for my mW WAS.

Too many FOC guys - Do they talk to anyone BUT other FOC's?

Jim KJ5TF

-----  
Date: Fri, 05 Feb 1999 20:34:36 -0800  
From: David Fifield <fifield@pacbell.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32233] FYBO Start Time!!  
Message-ID: <36BBC65C.7DBFF9DF@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Good grief! I just checked the FYBO rules to prepare for tomorrow and saw the start time is 1400z.....that's 6am Pacific!!! Who's idea was that?

Better go to bed now in order to be ready for it....

72, Dave Fifield, AD6A

-----  
Date: Fri, 5 Feb 1999 22:15:37 -0600  
From: applitech@mcg.net (Claton Cadmus)  
To: <nodle01@mail.coin.missouri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [32234] Re: Label stick-em question  
Message-ID: <00ea01be518a\$c7518de0\$a10a5e2c@groucho>

>3M Super 77 spray adhesive might do the job for you - you can get it at  
>Wal-Mart in the paint/adhesives section. It's peel-offable for a little  
>while, but it also has a LOT of stick. Artists use it to stick paper down  
>to matting, etc...

Don't use Super 77 for paper labels, it will soak through the paper over time. Use 3M Spray Mount Artist's Adhesive. I've used both and speak from experience.

----

73 de KA0GKC Claton Cadmus  
cla@mcg.net  
MNQRP #1

Minnesota QRP'ers we're looking for you!

Email me or visit this page <http://www.qsl.net/mnqrp>

-----  
Date: Fri, 05 Feb 1999 22:50:25 -0600  
From: "James A. Carmody" <carmodyjim@earthlink.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Cc: tdxs-list <tdxs-list@n5uh.tech.uh.edu>  
Subject: [32235] Tromelin  
Message-ID: <36BBCA10.E91ED977@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I hope you are all focused and thinking positive thoughts about FR/T!  
Here is some food for that thought.....

<http://www.buck.com/cntry-cd/factbook/te.htm>

It must be a pretty wild place on a Saturday night!

Jim/nn5o

-----  
Date: Fri, 5 Feb 1999 23:46:28 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: qrp-l@Lehigh.EDU  
Subject: [32236] Trade for something QRPish?  
Message-ID: <199902060546.XAA08967x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Hi gang! In my new quest to gather me up some QRP equipment, I wonder if anyone on the list might be interested in trading some 'stuff' for a rfConcepts dual band (2M/70cm) amp that I have. It puts out 30 watts on 2M with 5 watts input and 20 watts on 70cm with 5 watts input and has GaAsFet preamps on both bands. I used the amp for a while when I originally got my ticket when all I had was an HT and haven't used it since I got a true mobile rig for my patrol car. I have the amp, original box and the instructions and schematic. If anyone is interested in either trading something QRPish or buying just drop me an email.

73 <--- soon to be 72 Jeff W4JEF

\*--==--== Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 ==--==--\*

jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA
\*-----\*

-----  
Date: Fri, 5 Feb 1999 23:49:32 -0600  
From: Jeff Johns <jeffj@scott.net>  
To: qrp-l@Lehigh.EDU  
Subject: [32237] Rainbow Tuner  
Message-ID: <199902060549.XAA09302x@scott.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

I purchased a Rainbow tuner kit from another gentleman here on the list. Can anyone give me some comments on it? Did I get a good thing?

73 Jeff W4JEF

\*----- Jeff Johns W4JEF - AMSAT# 32615 - QRP-L #1857 -----\*  
jeffj@scott.net w4jef@amsat.org	Reserve Patrol Captain
Satellite: Mir R0MIR-1, AO-27	Jefferson County Sheriff's Dept
200LX+BayPac+FT50=Portable Packet	QTH Birmingham, AL USA
\*-----\*

-----  
Date: Sat, 06 Feb 1999 00:56:31 EST  
From: Ed Loranger <we6w@juno.com>  
To: pmk@juno.com  
Cc: qrp-l@lehigh.edu  
Subject: [32238] Hot Water Contest Award.  
Message-ID: <19990205.215431.4775.8.we6w@juno.com>

Patrick, thanks for the nice Heathkit Hot Water Sprint award. That's a nice logo and some heavy card stock!

Now if only I had waited 3 months to trade my HW-8 away I could have used it. But it was fun hunting down them thar other HW rigs. Thanks much. Hope we do it agn next year.

72, Ed WE6W, AR Millennium QSO's=298/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

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-----  
Date: Sat, 06 Feb 1999 00:56:31 EST  
From: Ed Loranger <we6w@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [32239] FYBO 1400z to 0200z.  
Message-ID: <19990205.215433.4775.13.we6w@juno.com>

Chilling news, eh?

I read an email from last week. This fella had  
the wrong operating time as Feb. 6th, 1600Z to 2/7@0400Z.

So I thought I'd help out and quote from the rule-master.  
DIRECT CUT/PASTE from Joe's email:

1400Z Feb 6 to 0200Z Feb 7 (Operate all 12 hours).

QRP HF Only. CW (5W max). QRP calling freqs (no WARC bands).  
Categories: Single Op (Home/Field), Multi Op (Home/Field), Novice/Tech+.  
Work stations once per band. Score 1 point per QSO.

Exchange RST, State/Province/DXCC Country, first name, power out, and  
temperature (Fahrenheit) at OPERATOR'S POSITION. Indoor stations must  
report INDOOR temperature.

Example: 579 AZ Joe 2W 40F

---/End Of Quote/

FYI. That should be enough.  
72, Ed WE6W, AR Millennium QSO's=298/2000  
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA  
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

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-----  
Date: Fri, 5 Feb 1999 23:01:46 -0700  
From: Gary L Surrency <gsurrency@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [32240] NC20 - A few more tips  
Message-ID: <19990205.230311.-4091777.1.gsurrency@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fellow builders,

Chuck seems to agree with me about the RIT range being too large. But not to worry, a single resistor change will fix that. You don't want to replace R6 & R7, as they are precision 1% resistors to insure the voltage divider for the RIT circuit sees the same midpoint voltage as the voltage divider R3 & R4 on the non-inverting input of the op-amp, U1. This is to insure equal RIT travel by having the two reference voltages as near equal as possible, so the op-amp can sum the RIT voltage into the tuning voltage. Or something like that.....

So, just change R5 instead. This is mentioned in the manual. I used a 680K resistor in the prototype, and I'm pleased with the decreased RIT tuning range. I might even go for even less RIT range on the new kit to get further away from the big detent that Chuck mentioned. Maybe 820K for R5. I haven't seen any adverse effects on drift or stability with the higher resistances.

Another idea is to use a non-detent RIT pot of less resistance. That would kill two birds with one stone, as R5 could be left alone and the RIT pot, VR2, could be changed to 5k thus cutting the RIT range in half. The voltage divider precision reference would not be adversely affected by the lower pot value, as it is in the center of precision resistors R6 & R7. That would not upset the balance, though there'd be a bit more current flow in the divider, but not a significant increase.

Along with changing R9 to 200k as I previously mentioned to reduce the main tuning range down from 84 KHz or so to about 71 KHz, the smaller RIT helps with signals that are slightly off frequency. Split operation for DX pileups might still be better with the greater range of the original design. Dave Fifield ran a poll on RIT range preferences on the QRP-L a while back if you remember. Casual ops like smaller RIT; DX ops like a lot of RIT. It's a personal thing.



I have also noticed that some detented pots are much less "sticky" just off center than others. The one in my HW-9 hardly pulls back to center at all - a good thing. And the ones in my S&S gear are also less "snap happy", though the TAC-1's have very small RIT range of only +/- 300 Hz or so. Too little, and it can't be easily changed. The ARK30 RIT range is more, maybe +/- 1.5 Khz if I remember, and it's also smooth near the detent.

So try it stock. If it's too much for your operating style; it's only one resistor change - R5.

-----

Some other construction tips:

Watch out when installing the many monolythic capacitors in this kit. They are quite fragile, and should not be stressed at all. Since they are really designed for machine installation, manually doing it presents more risks. Be sure you have the cap in the position you want before soldering it in. If you try to move it a little by re-heating it with the iron and putting pressure on it, the internal soldered connection will likely fail and become open or intermittent. This happened to a lot of people on the Norcal 38 Special kit, and it is a danger here too. Heck, I even ruined one on my kit, but had a spare so it was no big deal.

But there are some odd value mono caps in this kit that might be hard to find locally, so be careful with them and try some of the tricks that I use to get those little doggies to stay still while you're "branding" them. ;-)

I like to use a third hand to apply the solder while I hold one lead of the cap steady where I want it. Now, where are you gonna get a third hand, you ask? Well, I either suspend the solder off of the table so I can hold the PCB and cap with one hand and the slobbering iron with the other. Or, I get my 5 yr old April to help out. She "loves" to help daddy solder and clip leads! =8^)

If the thought of your little ones that close to a 650 degree slobbdering iron terrifies you (or your wife!), you can try this technique:

Cross the leads of the mono cap into an "X". Insert it into the PCB, then give it a 180 degree twist. The friction thus formed will hold it in place, and still allow positioning. Then you can solder it with both hands free. This also works well for the PIN and varactor diodes that have only two leads.

Some solder irons feed the solder right from the iron, so there's another way to get by without growing an extra hand. =8-o

If you do goof, and get a cap in the wrong place, here's how to get it out without destroying it:

Get a good glob of solder on the tip of the iron, and then heat both pads for a couple of seconds. Have the iron a little hotter if need be. I usually solder at around 620 F, and desolder a little higher at maybe 650-700 F, depending on the job at hand. Eutectic allow solder of 63/37 tin/lead melts around 430F, if I remember correctly.

While both pads are hot, pull the part gently out from the top side of the PCB with a tweezer or small plier, or an alligator clip - not your fingers! Use light pressure so as to not crush the part, or to not pull out the PCB pads if they aren't hot enough yet. The pads that are part of the ground plane soak a lot of heat, so they are the most difficult ones to desolder successfully. It's best to have the PCB vertical in a jig or PCB vise when you're doing this so both hands are free, and the PCB is steady.

Beware of too much heat, though. Excessive heat will loosen the internal lead bonding and the part may be history anyway.

Either the axial or radial mono caps (or even diodes) can be safely soldered or removed if you understand they are delicate. It just takes some practice. If you get a disc cap in the wrong place, it's best to work them out slowly, by alternately heating one side and then the other. They will stand more abuse than the mono caps will. Clean out the holes with a vacuum pump and / or Soder Wick (tm).

Some of the larger disc caps may have a bit wider lead spacing than the PCB pad spacing. If you like to get them close to the PCB like I do, use some wire cutters to chip a bit of the coating off near the cap's body. Just a little bit will do, as most of them have only a small amount of coating extending onto the leads. Use a small pair of needle-nose pliers, spread the leads apart fairly wide. Now hold the lead as close to the cap body as possible with the smallest part of the pliers. Bend the leads back parallel to fit the hole spacing of the PCB. If you've done this correctly, the cap will have suffered no damage, and it will now fit down flush to the PCB without forcing and splitting the cap's coating up into the disc portion. A little scraping of the lead where the coating was removed is sometimes necessary, as it is tough to remove on some of them.

It's best to sacrifice the three and four lead parts, rather than ruin the PCB. Same goes for the IC's if you don't socket them. I've removed all of those buggers undamaged with a lot of care and time spent, but it's not a thing I like to do. Check two or three times to be sure it's the right part and in the correct position, then solder it confidently.

Much of this is old hat to the more experienced builders on the list, but if it saves some frayed nerves and broken parts, then I've done some good. I've been building stuff since I was 12 yrs old ( and I have the solder burns on my feet and legs from soldering in my pajamas to prove it! ). After burning as much solder as I have, you learn some skills and how to be careful and work slowly but steadily.

Have fun and enjoy building your kits. NC20, K2, or whatever. Savor it and take your time. It's good therapy like Chuck says.

Good luck tomorrow in the FYBO event. Be careful and have a good time.

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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-----  
Date: Sat, 6 Feb 1999 01:37:44 EST  
From: N7YA@aol.com  
To: qrp-l@lehigh.edu  
Subject: [32241] Re: My 1st 160M milliwatt QSO  
Message-ID: <e8e1c88.36bbe338@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

In a message dated 2/5/99 10:17:44 PM Pacific Standard Time,  
kj5tf@madisoncounty.net writes:

<<

Too many FOC guys - Do they talk to anyone BUT other FOC's? >>

sure they do, i just jumped in there and started calling them like i was FOC, then when they wanted a number, i said '5NN NO NR"...they said ok fb om, and no probs...i even got ZD8A on the first call, he was very loud. great fist too.

never be afraid to jump into a contest and pretend to be an entrant, you can snag new ones that way, lol. BTW, i used to do door-to-door sales...just be clever and push your way in!

73...Adam, N7YA

-----  
Date: Sat, 6 Feb 1999 02:00:09 -0500  
From: Willie Martin <71052.134@compuserve.com>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [32242] OHR E-Mail Address Info  
Message-ID: <199902060201\_MC2-6971-1FA9@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline  
Content-Transfer-Encoding: quoted-printable

Thanks to all for your replies to my message..

73,  
Willie Martin/KE6DKH/5

-----  
Date: Sat, 6 Feb 1999 07:17:30 +0000  
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
To: qrp-l@lehigh.edu, gqrp-l@blacksheep.org  
Subject: [32243] A Simple 'Touch' Paddle  
Message-ID: <E1091wr-0005xV-00@pa.scotland.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

Added to my web site:

<http://www.homeusers.prestel.co.uk/g3ycc/touch1.html>

Hope thgis is of interest.

-----  
Date: Sat, 6 Feb 1999 07:32:32 +0000  
From: "Frank G3YCC" <g3ycc@g3ycc.prestel.co.uk>  
To: qrp-l@lehigh.edu, gqrp-l@blacksheep.org  
Subject: [32244] Touch keyer  
Message-ID: <E1092BQ-0006Ep-00@pa.scotland.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

A simple touch paddle unit is the latest addition on my web page  
<http://www.homeusers.prestel.co.uk/g3ycc/touch1.html>

-----  
Date: Sat, 06 Feb 99 02:24:32 -0500  
From: Chuck Adams <adams@ticnet.com>  
To: qrp <qrp-1@lehigh.edu>  
Subject: [32245] Elmer200: Crystal Tester Experiment 19990206  
Message-ID: <E10930C-00070u-00@smtp.ticnet.com>

Gang,

OK, by now hopefully everyone has at least one  
crystal tester assembled and an RF probe.

I want to experiment. Do the following:

1. Take your crystal(s) and with a frequency counter measure the resonant frequency and with the RF probe the output from the crystal checker/oscillator.
2. If you have a variable cap, put it in series with the crystal. What range of frequency variations can you get and monitor the output from the crystal oscillator. If you are interested enough and have the time, can you plot the output as a function of frequency doing this.

Did the additional capacitance lower or raise the resonance frequency?

3. If you have one or more molded inductors or wind a toroid, place same in series with the crystal. Measure the RF output and the new resonant frequency.

Did the freq go up or down? How about the output?

4. Now place the inductor and the variable cap in series with the crystal. Now what happens? Experiment with different combos if you have the time and energy.

The question came up and I lost the mail today about the L/C meter. Here is what I have on the one that I have:

AA-LCM2B LC Meter IIB Kit and it is manufactured by Almost All Digital Electronics. I bought mine for \$89.95 and \$5 S&H from Milestone Technologies, <http://www.mtechnologies.com/> in June of '97. It was money well spent and invaluable for the HBer or experimenter.

I do not have the web page for Almost All Digital and someone can let me know or post it. I don't get anything and this is not an ad for them or the above. FYI

Reading: Go through the ARRL HB and SSD book and look up references on amplifiers and then oscillators. We will first start out with the Colpitts to experiment with, since that is what the crystal tester is. I'll do this on Monday.

--

Chuck Adams K5FO [adams@ticnet.com](mailto:adams@ticnet.com) CP-60  
<http://www.ticnet.com/k5fo>

-----  
Date: Sat, 06 Feb 1999 00:26:58 -0800  
From: W7LS <[w7ls@blarg.net](mailto:w7ls@blarg.net)>  
To: [adams@ticnet.com](mailto:adams@ticnet.com)  
Cc: [qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)  
Subject: [32246] Re: Elmer200: Crystal Tester Experiment 19990206  
Message-ID: <36BBFCD2.2461@blarg.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi, Chuck et al.

Really good discussion, here. Might I add something? I spoke with Neil Hect (AADE guy) about the inductance meter and asked him if he somehow accounts for errors in inductance due to measuring it at a different frequency than you would use the inductor at. His unit does not account for that. Here is the potential problem: If you use a torroid and put a bunch of windings on it, it will have an amount of inductance that is dependent both on the number of turns, as well as the mixture that the

inductor is made out of. That mixture is frequency dependent. Ergo, if you measure a torroid at say, 1 MHz, and intend to use it at 30 MHz, you will likely get a different inductance than you measured.

The way around this problem is to use a grid dip oscillator, tuned to the frequency you intend to use the inductor at. Use a known capacitor and monkey around (technical term) until you can arrange the dip to be at or near the freq of interest.

There shouldn't be a problem with measuring inductors if they do not use a ferrite or powdered iron core. Well heck, if it is an air core, the problem disappears.

Night..... Jim W7LS

Chuck Adams wrote:

>  
> Gang,  
>  
> OK, by now hopefully everyone has at least one  
> crystal tester assembled and an RF probe.  
>  
> I want to experiment. Do the following:  
>  
> 1. Take your crystal(s) and with a frequency  
> counter measure the resonant frequency and  
> with the RF probe the output from the crystal  
> checker/oscillator.  
>  
> 2. If you have a variable cap, put it in series  
> with the crystal. What range of frequency  
> variations can you get and monitor the output  
> from the crystal oscillator. If you are interested  
> enough and have the time, can you plot the  
> output as a function of frequency doing this.  
>  
> Did the additional capacitance lower or raise  
> the resonance frequency?  
>  
> 3. If you have one or more molded inductors  
> or wind a toroid, place same in series with  
> the crystal. Measure the RF output and the  
> new resonant frequency.  
>  
> Did the freq go up or down? How about the  
> output?  
>  
> 4. Now place the inductor and the variable  
> cap in series with the crystal. Now what

> happens? Experiment with different combos  
> if you have the time and energy.  
>  
> The question came up and I lost the mail  
> today about the L/C meter. Here is what I have  
> on the one that I have:  
>  
> AA-LCM2B LC Meter IIB Kit and it is manufactured  
> by Almost All Digital Electronics. I bought mine  
> for \$89.95 and \$5 S&H from Milestone Technologies,  
> <http://www.mtechnologies.com/> in June of '97. It  
> was money well spent and invaluable for the HBer  
> or experimenter.  
>  
> I do not have the web page for Almost All Digital  
> and someone can let me know or post it. I don't  
> get anything and this is not an ad for them or the  
> above. FYI  
>  
> Reading: Go through the ARRL HB and SSD book  
> and look up references on amplifiers and then oscillators.  
> We will first start out with the Colpitts to experiment  
> with, since that is what the crystal tester is. I'll do  
> this on Monday.  
>  
> --  
> Chuck Adams K5FO [adams@ticnet.com](mailto:adams@ticnet.com) CP-60  
> <http://www.ticnet.com/k5fo>

-----  
Date: Fri, 5 Feb 1999 23:53:06 -0900  
From: Bruce Hopkins - KL7H <[kl7h@eagle.ptialaska.net](mailto:kl7h@eagle.ptialaska.net)>  
To: [adams@ticnet.com](mailto:adams@ticnet.com)  
Cc: [qrp-l@lehigh.edu](mailto:qrp-l@lehigh.edu)  
Subject: [32247] Almost All Digital Electronics - URL  
Message-ID: <[v03007800b2e1b2533721@208.151.118.76](mailto:v03007800b2e1b2533721@208.151.118.76)>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Here is the URL for Almost All Digital Electronics that Chuck was  
looking for...

<http://www.aade.com/>

Good luck to everyone tomorrow in the FYB0... I will be there as soon



as the bands open up... Looks like mostly a 20 meter operation from here... Perhaps 15 will open...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H  
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>  
- 10 Meter Beacon: 28.2825 +/- KL7AQC / BCN

-----  
Date: Sat, 6 Feb 1999 04:06:29 -0500  
From: Donald E Sanders <w4bws@juno.com>  
To: gsurrency@juno.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [32248] Re: NC20 notes, plus a short comparison review.  
Message-ID: <19990206.051153.9558.1.w4bws@juno.com>

A length of shield braid from RG 58,etc, will also work well to clean the leads of components.

W4BWS

On Thu, 4 Feb 1999 11:22:06 -0700 Gary L Surrency <gsurrency@Juno.Com> writes:

>Gang,

>

>On building the NC20:

>

>Most of the time, I see resistors with clean, shiny, leads that are  
>easy to solder. But I can't recall ever seeing axial lead monolythic  
>capacitors with clean, shiny, leads. Some discs cap leads will look  
>good, and electrolytics too. But the mono cap leads have always been  
>dirty in my experience.

>

>So I keep a small piece of ScotchBrite handy to pull the leads  
>through. It helps a lot with removing the oxides and making the  
>soldering go quicker. Even a piece of brown paper towel, or some other  
>course cloth, etc., helps get the grundge off.

>

>

>72,

>

>Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

>

>-----  
>You don't need to buy Internet access to use free Internet e-mail. Get  
>completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
>or call Juno at (800) 654-JUNO [654-5866]

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 06 Feb 1999 06:20:25 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: aweiss@usd.edu  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32249] Re: Apology  
Message-ID: <36BC2578.913236D9@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Ade, you'd be the last person I'd believe  
would break in intentionally  
Tom, N1TP, Naples, FL.

Ade Weiss W0RSP wrote:

> Hi gang: Some of you probably heard me start back to the FOX K1MG Thur. nite  
> when in fact he was QSO'ing someone else. My mistake -- I swore that I heard  
> an "SP" when he "BK". I hate to have anyone think I interrupted intentionally!  
>  
> 72, Ade

-----  
Date: Sat, 06 Feb 1999 06:24:39 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: k5zty@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32250] Re: Bruce and the FOX  
Message-ID: <36BC2677.5AFF0D72@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I think Bruce's FOX notes are a hoot.  
Tom, N1TP, Naples, FL.

k5zty@juno.com wrote:

```
> All of this from an "A1 Operator".
> ROTFL.
>
> Bill, K5ZTY
>
> ..got it Mike....now back to him...
> >.....BK...R R UR 339 SK..DAH DAH DAH DAH DAH DAH DAH DAH DAH DAH
> >DAH DAH
> >DAH DAH DAH DAH DAH DAH DAH DAH!!!
> >....what's goin' on here!....GOOD GRIEF!.....my paddle's stuck on
> >dashes!
> >...".STOP...DESIST...DON'T DO THAT!"...DAH DAH DAH DAH DAH DAH ...I
> >can't
> >unstick it...don't panick....I'll hit it with my hand....hit hit...HIT
> >HIT
> >HIT...ouch, that hurts...ok, OK....where's my hammer when I need
> >it?...I
> >know, I'll bang the whole paddle on the bench
> >top....BANG,BANG,BANG,BANG.....DAH DAH DAH DAH DAH
> >DAH....arrrrrrgh....I'm
> >gonna lose the pelt!....DAH,DAH,DAH,DAH,DAH...desperado!!.....DO
> >something....BASH,BASH,BASH, BASH.....aha!....unstuck and now with the
> >speed
> >of a bullet over to my vibroplex bug paddle and finish the
> >exchange!.....YES!.....mission accomplished....thank goodness I hadn't
> >taken
> >my shoes off....how sweet it is!.....
> >...72 - humbly, the Scribe.
> >
> >72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L# 886 ARCI# 9683
> > 10-10# 944 A1 Operators CLub - Regina, Saskatchewan,
> >Canada
> >
> >
> -----
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
> or call Juno at (800) 654-JUNO [654-5866]
```

-----  
Date: Sat, 6 Feb 1999 06:31:33 -0500 (EST)  
From: malman@world.std.com (joel malman)  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@arrl.net  
Subject: [32251] Free 38 Special Kit winner  
Message-ID: <199902061131.AA22852@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

There was no winner of the "Free" 38 Special, so I will now put the kit up for sale. So if you would like a kit for 30 meters ...

For Sale:

-----  
38 Special Kit. Factory Fresh. \$15.00 includes manual and shipping to the USA.

--  
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts  
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

-----  
Date: Sat, 6 Feb 1999 06:38:57 -0500  
From: "Ed Tanton" <n4xy@mindspring.com>  
To: <k7gt@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32252] RE: Lithium AA cells  
Message-ID: <002101be51c5\$483d80f0\$01010101@n4xy>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="Windows-1252"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Allan... when these Lithium AA cells first came out, I tried VERY hard to get an answer to that question. Made several calls to the mfgr, etc. No luck. I have used these in my Nikon F4-S from day 1. It holds (more or less) about 7 or 8 (I forget) including the camera and motor drive. The flash another 4 or 5. Both LAST terrifically compared to "ordinary" Duracells. And motor drives (@ 6 frames/sec) and a whole bunch of separate cpu's in the F4-S plus lense motors focussing, and hard cycling in the SB-25 flash (it can illuminate an area the length of a football field distant (using 800 speed film) with probably 30 degree spread-although I never actually tried THAT!) So the battery works great in hi-demand uses as well. Finally, I have

the small Standard duo-band "pocket" radio... and with the extremely light use I put it to, they (2) last for years (unlike nicads!)

While I AM getting the gel-cell made for internal use in the K2 I'm building, I noticed Digikey has a Panasonic 3700mAh "4/3 A" NiMH cell with solder tabs... they are 1/10th inch wider and ~1/2 inch longer than a similar "AA" cell. Ordered 14 of 'em today, and Panasonic's NiMH Book (\$3) to figure out properly charging them.

72 / 73 Ed N4XY email: <n4xy@mindspring.com>

-----  
Date: Sat, 6 Feb 1999 07:10:58 -0500  
From: Sam Billingsley <SBillingsley@usaninc.com>  
To: "Qrp1\_Submit (E-mail)" <qrp-1@Lehigh.EDU>, "klqrp\_submit (E-mail)" <klqrp@waterw.com>, "GQRP-list (E-mail)" <gqrp-1@blacksheep.org>, "\_Nogaqrp\_List (E-mail)" <nogaqrp@qth.net>  
Subject: [32253] Parking Lot Portable Vertical (PLPV) Description (Long)  
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3648E20@MAILSERVER1>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I've had a lot of responses to my PLPV field trials. For those that don't remember below is a relist of a qrp-1 msg I submitted in July 98. It's for the folks that can't get web pictures or have web capability. Sorry about the bandwidth but it will save me many individual replies.

But for those of you who can access the web please lookup my new web page. It has lots of pictures to shows the details for the description below. It's my first attempt at a web page so be kind. Hope you enjoy.

Sam Billingsley AE4GX Atlanta, GA url:  
<http://www.mindspring.com/~ae4gx/>

-----  
Parking Lot Portable Vertical Description

> Many folks have asked me about the PLPV so here goes:

>

> Like many of you I try to find the time to do as much QRPing as possible  
> given the schedules of work and family. Although I have been a ham on and  
> off since 1957 I never have been active during a sunspot cycle. I was  
> bound and determined to be active this cycle and find a way to maximize my  
> operating time. The only way possible for me to increase my operating time  
> was at lunch time near work. Since like many of you I work in an urban

> environment I am faced with lots of concrete. My one restriction was not  
> to have a BIG antenna on the car permanently. Bob Edwards W4ED showed the  
> North Georgia (NOGA) QRP group a portable setup for his SLA vertical that  
> showed promise but it did require a car and the antenna had to be adjacent  
> to the car. He used a frame/stand that was held steady by a car tire  
> resting on the antenna support frame. I was looking for something a little  
> more flexible. Something that could be operated from a car, in the event  
> of rain or bad weather but, also could be operated from anywhere it could  
> be hauled. I like to bike ride and trail hike so I was looking for a  
> method of setting up an antenna that was independent of trees and other  
> local supports.

>

> The design criteria:

>

- > 1. Collapsible to less than 4 ft
- > 2. Multi-band capability (at least 40,30,20,15,10 mtrs)
- > 3. No tuner required
- > 4. Coax fed (RG-58)
- > 5. Light enough to be backpacked or carried on bicycle
- > 6. Setup or breakdown time less than 5 minutes
- > 7. Self-supporting (requiring no external supports)
- > 8. Low profile for storage - "small golf bag" size
- > 9. Low Price - Less than \$40

>

>

> Using the idea of the SLA-type collapsible fishing pole as a vertical  
> support I wondered how could I achieve the other criteria:  
> self-supporting, quick setup/band change times and no tuner.

>

> I came on the idea of a foldable wooden support structure that would hold  
> the fishing pole erect and stable in reasonable winds. The fishing pole  
> selected from a local Bass fishing store was a multi-section Carpie Pole  
> made of black plastic that collapsed down to less than 4 ft and extended  
> is almost 20 ft. I think any of the pole brands that have been mentioned  
> on the various SLA articles would work.

>

> I initially built a wooden foldable base that worked but was too heavy. At  
> Home Depot I found some 1X1X36 inch aluminum angle that looked promising.  
> Using four pieces I formed the base. Using a fifth piece I cut it in  
> pieces and made a square base frame 3X3 inch and hinged the four 3ft  
> pieces to the small square base. The remaining 2 ft piece I bolted to the  
> small base (not hinged). I made a wooden Tee to screw the four base legs  
> together so the base and legs were fairly rigid and self supporting. The  
> 2ft section was vertical and the resulting structure looked like a four  
> radial GP sitting on the ground. The fishing pole was cable tied to the 2  
> ft angle so the vertical when extended reached about 20ft. With the wooden  
> Tee unscrewed from the four legs the legs fold towards the fishing pole.  
> When then pole is collapsed and the legs are folded the entire structure

> is about 4ft tall and about 6-8 inches in diameter. It can easily be  
> picked up with one hand. Its very light.  
>  
> I had read that verticals with a limited number of above ground radials  
> being more effective than verticals with a similar number of radials on  
> the ground so I decided to have the base of the vertical be about 1.5 to 2  
> ft off the ground and that any radials would be slightly sloping downward  
> towards to ground at the outer ends. I decided on initially trying two  
> radials on opposite sides of the base.  
>  
> The antenna would be coax fed with 50 ohm RG-58 and coax sections would be  
> available to cover varying distances from 20 ft to 70 ft from the base of  
> the antenna to the transceiver. This arrangement would accommodate a  
> variety of setup conditions with the shortest amount of coax.  
>  
> The no tuner requirement meant pretuning the antenna for the bands of  
> interest. Initially I tried the multi-wire parallel configuration with  
> individual wires cut to each band but the interaction seems to be too  
> tough to solve. So I cut a 1/4 wave length for the highest band of  
> interest (10 mtrs). One wire for the vertical section and two for the  
> radials and attached them to the coax at the base in the classic inverted  
> Y configuration. The vertical wire connected to the inter-conductor of the  
> coax and one end of the radial wires to the outer shield of the coax. To  
> decouple the coax feedline from the antenna I made a RF choke by wrapping  
> about six turns 6 inches in diameter of coax and tapping them together.  
> With my trusty MFJ SWR analyzer I checked the arrangement for freq vs min  
> SWR. On all bands tried I could get a low SWR but using the book formula  
> length where a quarter wave (ft) equals  $468/\text{freq(in Mhz)}/2$ . The problem  
> I noticed was that the frequency at the low SWR point was always lower  
> than expected by the formula. But by careful pruning of the radials and  
> the vertical section I could get the antenna to have a low SWR < 1.5 to 1  
> in the frequency range of interest. I then calculated and added sections  
> to all three elements to get to the next lower band and prune for SWR in  
> the new frequency band of interest. I have done this for three bands to  
> date (20,15,10). So you have one, second or three little wire segments  
> depending on the band. How do you keep them together, yet apart, for the  
> unneeded segments. My wife's sewing box had some light weight elastic band  
> tape (looks like stretchy string) that is used for making or mending  
> expandable clothing. I took a four inch section and attached the end or  
> the wire segments by simply knotting the wire and the elastic leaving  
> about one inch of wire over the end of the knotted area. To the wire ends  
> I crimped on some small quick disconnects (from RS). When completed the  
> connected wire segments can be pulled taut and the segments will be apart  
> a few inches. To give the horizontal radials a little extra support I  
> taped the segments to a piece of light weight nylon rope. The vertical is  
> clipped at the very top of the extended pole to an section of elastic  
> connected to the last wire segment. When fully extended the segments are  
> stretched a small amount. To change from band to band you simply collapse

> the pole and connect the needed segments and re-extend the pole. The  
> radials are similarly connected. Since the all the segments are already  
> in place the operation takes less than a minute. The pole can handle a 1/4  
> wave length vertical wire down through the 20 mtr band (i.e. 16.6ft). The  
> accomplish the remaining bands (40 and 30 mtrs) you need to form a loading  
> coil and an additional wire segment above the coil. These can be made in a  
> quick disconnect manner previously described. The 40 and 30 mtr segments  
> should be made separately to simplify the antenna. If these lower bands  
> are rarely used I would keep them aside and not complicate the vertical or  
> radial segments. But if operation is desired routinely you can have them  
> in place just like the wire segments for the higher bands.  
>  
> The results of the antenna have been better than expected. QRPTTF and ARS  
> Bumblebee events have proven its effectiveness. More importantly I can go  
> out at lunch and catch some QRP action.  
>  
>  
> Sam Billingsley AE4GX Atlanta, GA e-mail:  
> sbillingsley@usaninc.com  
>

-----  
Date: Sat, 6 Feb 1999 02:38:35 -0800  
From: Dan Presley <talljazz@teleport.com>  
To: qrp-l@LeHigh.edu  
Subject: [32254] science friday morse show  
Message-ID: <v03007805b2e1cb38d5b9@[216.26.6.230]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Mike ( and others ), the 'Science Friday' show on NPR about the demise of  
code for ship distress (no more 'watch' on 500Khz) is available at the NPR  
website <www.npr.org>. Follow the links to programs, and then to science  
friday. There you can hear the show using the RealAudio application. I just  
listened to the first half tonight-has a guest from a satellite service  
company, and a ham (forgot his call!)

Dan Presley-N7CQR-Portland, Or QRP-L #502

-----  
Date: Sat, 6 Feb 1999 08:16:03 -0500 (EST)  
From: malman@world.std.com (joel malman)  
To: qrp-l@Lehigh.EDU  
Cc: k1qm@world.std.com



Subject: [32255] 38 Special Kit, Sold  
Message-ID: <199902061316.AA22327@world.std.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The 38 Special kit has been sold to a lucky 6-Land ham...  
Thanks for all the requests.

--  
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts  
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

-----  
Date: Sat, 06 Feb 1999 07:18:31 -0600  
From: W5TB <w5tb@softhome.net>  
To: alihermlem@hotmail.com, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [32256] Re: Demise of Morse Code (except here, of course)  
Message-ID: <3.0.3.32.19990206071831.007508b4@pop.SoftHome.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 11:09 AM 2/5/99 PST, Brad Hernlem wrote:  
>Just wanted to let you know that (at least in the SF Bay Area) the  
>public radio program "Talk of the Nation/Science Friday" is discussing  
>the demise of Morse for ship communications, THIS HOUR (right now) i.e.  
>1100-1200 Pacific Time.  
Interesting program -- I caught just the first of it and had to go to a  
meeting

BUT - it's available on-line at  
[http://programs.npr.org/archives/totn/Day.cfm?Date=02/5/99&Program\\_ID=TOTN&fileName=TOTN020599](http://programs.npr.org/archives/totn/Day.cfm?Date=02/5/99&Program_ID=TOTN&fileName=TOTN020599)

so I hope to listen to it this weekend.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>  
NORCAL ZOMBIE ARRL Life Member QRPARCI # 3252  
QRP-L #673 FISTS # 5365

-----

Date: Sat, 6 Feb 1999 07:29:17 -0600 (CST)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-1@Lehigh.EDU  
Subject: [32257] 10 minute timer  
Message-ID: <5354-36BC43AD-738@mailtod-122.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

Looking for a schematic for a small battery powered ten minute timer  
using an Led and Radio shack parts.  
Is there such a critter out there?  
K1zw

-----  
Date: Sat, 06 Feb 1999 05:27:50 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [32258] AL7FS FYB0 1422z  
Message-ID: <36BC5166.33388500@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Well, it was a hope and a prayer. I kinda knew better. The only  
signals on 40 meters are from JA land down below 7.030. I parked on  
7.0435 for about 15 minutes anyway...no luck of course.

I am going to settle in for a while with a hot cup of coffee and the  
newspaper. The band will get checked from time to time but I actually  
don't expect much until 20 opens in about 4 or 5 or 6 hours hours.

See you later.

Jim

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
mailto:al7fs@qsl.net ICQ 11022915 <http://www.mirabilis.com/>

-----  
Date: Sat, 6 Feb 1999 09:30:11 EST  
From: Wa2eaw@aol.com  
To: ac5ez@webtv.net, qrp-1@Lehigh.EDU  
Subject: [32259] Re: 10 minute timer  
Message-ID: <47b1b99a.36bc51f3@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Hi Larry;  
RS has a \$0.99 booklet on schematics for the 555 timer IC chip. You will find your answer there.  
GL de Bob WA2EAW

-----  
Date: Sat, 6 Feb 1999 09:47:53 -0500  
From: Jerry Henshaw <jhenshaw@bellsouth.net>  
To: "'QRP List'" <qrp-1@Lehigh.EDU>  
Subject: [32260] K2 is alive in Florida  
Message-ID: <01BE51B5.C61D6C20@host-216-77-209-82.fl1.bellsouth.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable  
Content-Transfer-Encoding: quoted-printable

Hi Gang,

Finished building my K2 late last night (actually early this morning). =  
It took about 30 hours to complete. I have been a ham for over 35 years =  
and I can say this is the BEST designed kit that I have ever put =  
together. Wayne and Eric deserve major KUDOS for raising the bar on =  
future Qrp rigs.... this is going to be a tough act to follow. =  
Independent of the fantastic specs and operational features, the K2's =  
"fit and finish" is incredible! The kits fits together like a Swiss =  
watch. The mechanical design is just as impressive as the electronics.=20

Eric has been working the phones and email reflector all week long and I =  
can't believe the level of service he is providing. I have had the =  
pleasure of talking with him on the telephone twice, he was =  
enthusiastically helpful. I don't see how he maintains his energy level =  
with 100 Qrp testers constantly asking questions. Bottom line -- the =  
level of support Eric and Wayne are providing is also raising the bar =  
customer service.

The rig is a absolute Qrper's dream rig. The good news is everything is =  
microprocessor controlled....the bad news is everything is =  
microprocessor controlled. This means we have given Wayne a open =  
invitation to constantly upgrade and improve the K2..... I guess I will =  
have to subscribe to the "chip of the month" club :-) In a former =  
life, I wrote microcode for a living.... I wish I had access to the =  
compiler/assembler for the K2 what fun it would be to roll your own! =  
(Wayne and Eric are you listening?) Talk about a customer service =  
nightmare... trying to troubleshoot someone else's code? I can dream =  
can't I.

The bottom line --- THE IS THE QUINTESSENTIAL QRP RIG!! You are going =  
to love this baby. Standard disclaimers --- just a happy camper in =  
sunny Florida. =20

All the Best and 72's

Jerry Henshaw  
KR5L

-----  
Date: Sat, 6 Feb 1999 11:19:49 -0500  
From: "Tim Cook" <timcook@erinet.com>  
To: "[Ten Tec] - Reflector" <tentec@contesting.com>, "Low Power Amateur Radio  
Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32261] FS: Ten Tec Paragon  
Message-ID: <002601be51ec\$85888140\$26785acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

FS: Excellent Condition Late Serial Number Paragon (04B10391)

- Optional 1.8 SSB Filter
- Optional 500, 250 hz CW Filters
- Optional FM Board
- Optional RS-232 Board
- Ghie1 Chip (also have stock chip)
- Looks and works excellent, non-smoker
- All documention

\$1100 + shipping (might consider Triton as part trade, or make offer)  
Do not want to sell options separately  
Please email direct if interested..  
Thanks  
Tim  
NZ8J

-----  
Date: Sat, 06 Feb 1999 08:34:22 -0800  
From: Thomas Upton <stjohn@ocsnet.net>  
To: qrp-1@lehigh.edu  
Subject: [32262] W1FB's HW-7  
Message-ID: <36BC6F0D.29B182C2@ocsnet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The tax bite is looming, and I have Doug DeMaw's HW-7 with his original mods. Doug sold it to Bill Trelease (SK whose call I have not retained), and Bill sold it to me. I have all of the correspondence from Doug to Bill Trelease, establishing its pedigree.

I am trying to see if there is any interest. Please contact me directly, at stjohn@ocsnet.net

Tom AD6N

-----  
Date: Sat, 6 Feb 1999 11:38:47 EST  
From: HWRM1SS@aol.com  
To: qrp-1@lehigh.edu, njqrp@njqrp.org  
Subject: [32263] SB-300 CW Filter source Found !!!  
Message-ID: <97145437.36bc7017@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fellow QRPer's

I appreciate all of the information provided to help me locate a CW filter for a Heathkit SB-300. Clark WA2UNN and Wolfgang DK7CY pointed me towards International Radio - email address:

inrad@rosenet.com.

They have 250 Hz and 400 Hz filters for Heathkit radio's.

This group is AMAZING !!! Clark UNN informs me they ain't cheap so we will see  
!!!

72

Howard K3HW

-----  
Date: Sat, 6 Feb 1999 11:44:11 EST  
From: HWRM1SS@aol.com  
To: njqrp@njqrp.org, qrp-l@lehigh.edu  
Subject: [32264] Re: SB-300 CW Filter source Found !!!  
Message-ID: <1c348cb8.36bc715b@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

CORRECTION !!!

International Radio email address:

inrad@rosenet.net

Apologize for any inconvenience !!!

Howard K3HW

-----  
Date: Sat, 6 Feb 1999 08:51:28 -0800  
From: "Steve Miller" <kg7pv@hevanet.com>  
To: "QRP-L : to send msg to list" <qrp-l@lehigh.edu>  
Subject: [32265] Rigs for Sale - lower prices  
Message-ID: <003f01be51f1\$02946380\$3e3ca3ce@kg7pv>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 8bit  
Content-Transfer-Encoding: 8bit

Hi,

I have lowered the prices from my earlier post.

NEW LOWER PRICES!!

Both kits are fully aligned, in excellent condition with manual, construction notes and work well.

A. OHR Spirit II - 30 meters. A photo is available at:  
<http://qrp.cc.nd.edu/qrp-1/catalog/qrpspiritii/qrpspiritii.html>

Rig includes the optional internal iambic keyer. The OHR case came punched and labeled for it! Have tweaked the vfo for additional stability. This rig WILL drive a speaker!

NEW LOWER PRICE : \$125.00 shipped insured.

Specs:

Superheterodyne receiver design with diode ring mixer & RF pre-amp  
High side LO injection for a cleaner signal  
4-pole crystal ladder IF filter  
4-pole audio filter  
Switchable AGC circuit with manual RF gain control  
VFO tuning with 8:1 vernier dial covering 100Khz (50KHz on 30m)  
RIT providing +/- 1KHz of range  
Sidetone oscillator with level control  
QSK circuit  
4-5 watts RF output (will do close to 7 with 13.6V)  
TX output power (back panel) adjustable from 0 to full output  
Both iambic and manual key jacks provided on rear panel  
12-13.6VDC operation  
Current drain is 270mA Rx and 1A TX  
Dimensions (HWD): 4" x 6.25" x 6.825"

B. Emtech NW20

NEW LOWER PRICE: \$100.00 Shipped insured

A photo is available at the Emtech site: <http://emtech.steadynet.com/>

Specs:

20 Meters - 14.000 to 14.070 MHz  
4 pole adjustable IF xtal filter:  
-6dB Bandwidth: 1.7KHz - 150Hz wide to narrow.  
Optional Emtech audio filter installed.  
RF out is 4.5 watts.  
H2.5 xW6.5 xD5.5 mounted in optional Emtech cabinet

Full QSK

More details available at: <http://emtech.steadynet.com/emtspecs.htm>

Did I mention the NEW LOWER PRICES?

Steve Miller kg7pv@hevanet.com  
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

-----  
Date: Sat, 6 Feb 1999 12:12:16 -0500  
From: "Tim Cook" <timcook@erinet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32266] FS: Paragon additional Info  
Message-ID: <006401be51f3\$d9a00bc0\$26785acf@timcook.erinet.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Fogot to mention that the Paragon will operate @ 5 watts as it is, and simple mod will allow lower power levels.

Also will consider OHR-400/500, Sierra, or other QRP kits in trade.

-----  
Date: Sat, 06 Feb 1999 08:26:06 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>  
Subject: [32267] AL7FS FYB0 1720z  
Message-ID: <36BC7B2E.27A23A57@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

So far I have only heard KB7WW on 20 meters (429) but I was not heard. Otherwise, there is just one Fists QSO on 059.



Time for more coffee...I have already had my hour and half nap. Gosh these FYBO Contests are stressful. :-)

Jim

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
mailto:al7fs@qsl.net ICQ 11022915 <http://www.mirabilis.com/>

-----  
Date: Sat, 6 Feb 1999 10:42:09 -0700  
From: wo7t@juno.com  
To: qrp-l@Lehigh.edu  
Cc: wo7t@juno.com  
Subject: [32268] FS: OHR-400  
Message-ID: <19990206.104210.8558.2.wo7t@juno.com>

I have for sale my OHR-400 (80,40,30,20) with built-in keyer. It's in mint condition, and was aligned by OHR. \$240 shipped to lower 48.

73,  
Mark Gustoff  
wo7t@juno.com

-----  
You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

-----  
Date: Sat, 6 Feb 1999 12:57:43 -0500  
From: Ralph L Irons <n7ri@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [32269] NC20 Goes to School  
Message-ID: <19990206.125745.3526.0.N7RI@juno.com>

The much anticipated Priority Mail package arrived at the end of last month,  
and I whisked it off to school the next day to show the PCB to a colleague who  
is designing a board for a robotics project. Here's his reaction: "Wow!"

As we drooled over the kit before the start of class, we were joined by

Reed, a junior with a novice license (that vanishing species!) who has been racking up the states, and ratcheting up his code speed, on 40m. His eyes lit up like a Christmas tree when he saw the NC20 kit.

Between classes, Reed and I examined the manual, and talked construction.

His short-course in robotics has given him some experience building circuits in stages and testing them. His plan at present is to build the power supply, the audio amplifier and pre-amplifier stages. Once these stages are functioning, he'll decide whether he wants to tackle the rest of the project.

We inventoried the kit together, to get acquainted with the variety of component types. All the capacitors, resistors and semiconductors are now labeled and attached with nursing tape to sheets of white copier paper.

Reed melts solder on monday (unless he has too much Latin homework!) He knows that once his General ticket is in his hand, so is 20m ! I'll get my SWL 40+ back once Reed earns the right to operate the NC20. When he heads off to college, it'll return to the shack.

Like many of us did, Reed will go off to college and completely forget about ham radio, maybe until his 30's. Then watch out! The seed of a qrp cw operator has been planted.

These inexpensive single-band rigs give us lots of opportunities to share our hobby with others. It doesn't get any better than that!

72, Ralph N7RI

---

You don't need to buy Internet access to use free Internet e-mail.  
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>  
or call Juno at (800) 654-JUNO [654-5866]

---

Date: Sat, 6 Feb 1999 12:01:43 -0600 (EST)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@lehigh.edu, okcham@okcforum.org  
Subject: [32270] NVIS practice today near OKC  
Message-ID: <199902061801.MAA00408@okcforum.org>  
Content-Type: text

Mark, KD5AMB, Tim, KC5DSW, and I will be set up for portable NVIS operation this afternoon (Saturday, February 6) at around 4:00 PM local time, at a location about 30 or 40 miles east of Oklahoma City. We'll be using Tim's Shirley dipole, and Mark's vertical, to compare groundwave and skywave propagation. Operation will be on 7240 MHz SSB, 7125 MHz CW, 3870 MHz SSB, and 3700 MHz CW. We plan to use mostly 40 meters (but perhaps some 80 meters, too) until sundown, then switch to 80 meters for a while before closing up.

We'll be using the repeater link-up, so listen for us on the 145.21 repeater, or any other repeater linked into that system, if you want to stay informed of our progress, or give signal reports over the repeater.

We would like to invite everyone to listen for us, or try to work us. We'll work some SSB, and some slow CW in the novice/technician bands, so as many people as possible can participate. If you know your latitude and longitude, let us know, so we can determine how far away you are while we're still experimenting. If you don't, that's OK...we'll look you up in HamCall or something, later, for an estimate.

Hope to see you on the air!  
--Jim WB5UDE

-----  
Date: Sat, 06 Feb 1999 09:19:44 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [32271] AL7FS FYB0 1815z  
Message-ID: <36BC87C0.13D9DF4E@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

How sweet it is!

First contact of FYB0 with AD6A, Dave, at 1810z. I wonder what rig he was using on 20 meters? :-) Dave, if no one else works me, you will get the Alaska Wildberry chocolates. We shall see.

Still not much coming through. Several QRO(?) ragchews in the middle (061) of the contest aren't going to help much.

Well, back to the rig.

Jim

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009 IA QRP #016  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
mailto:al7fs@qsl.net ICQ 11022915 => <http://www.mirabilis.com/>

-----

Date: Sat, 6 Feb 1999 13:35:30 +0000  
From: "Steven Weber" <kd1jv@moose.ncia.net>  
To: qrp-l@lehigh.edu  
Subject: [32272] torriod inducatnce with ADC L/CII  
Message-ID: <199902061821.NAA27198@moose.ncia.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

> inductor is made out of. That mixture is frequency dependent. Ergo, if  
> you measure a torroid at say, 1 MHz, and intend to use it at 30 MHz, you  
> will likely get a different inductance than you measured.

I had similer concerns when I bought my AADC L/CII meter. We did an experiment. I wound several coils on -2 and -7 mixture torriods and measured the inductance on the L/CII meter. I then sent the coils to a fellow who had a Aulteck RF-1 and he measured the same coils at various frequencies.

The inductance as measured on the L/CII and the RF-1 matched close enough for goverment work, so close that I don't worry about it any more. The variation in inductance you get by moving the wires on the torriod slightly is probably greater than the error you get by meausring the inductance at the "wrong" frequency!

72,

Steve, KD1JV in the white Mountains of New Hampshire  
"melt solder"

-----

Date: Sat, 6 Feb 1999 10:36:21 -0800 (PST)  
From: n6kr@elecraft.com (Wayne Burdick)  
To: elecraft@qth.net  
Cc: qrp-l@lehigh.edu  
Subject: [32273] If you bring your K2 to the NorCal meeting....  
Message-ID: <199902061836.KAA23924@mom.hooked.net>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

...make sure you put your callsign on it somewhere! They're impossible to tell apart otherwise :)

73,  
Wayne  
N6KR

-----  
Date: Sat, 6 Feb 1999 13:50:51 -0500  
From: "Jeff Davis (N9AVG)" <jeff@jehosophat.com>  
To: QRP-L List <qrp-l@lehigh.edu>  
Subject: [32274] TenTec 1340  
Message-ID: <19990206135051.J18605@jehosophat.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Folks,

Just wanted to let you know I finished up my TenTec 1340 this morning. The board was all but done last weekend when I broke one of the wound inductors trying to snug it down to the board. A quick call to TenTec Monday morning and they kind souls sent me a replacement at no charge.

Nothing was missing in the kit, there were even a few extra parts.

The manual was easy to follow and the board and components were 1st class.

Two things really stand out to me, the QSK is exceptional. Several people told me I would like it but I would have never believed it was this good. Also, the receiver is very hot. With just a short piece of wire on the bench I was copying stations all over the US and Canada. With it hooked up to the R7000 it is a pure joy to listen just tune around listen to.

I took pictures of the entire assembly process and I made numerous notes about things I might do different if I were to build it again. I will post those on my Web site in a few days.

If the 80 and 30 meter versions of the 1340 perform as well, I might pass on a multiband QRP rig and build two more!

Of course all this hasn't been tempered by the euphoria of finishing a radio and setting down to three quick contacts but for \$95 I would definitely do it again and I would recommend it to anyone on the list contemplating a single band QRP transceiver.

Thanks to all who helped me decide on buying this one a few weeks ago and a special thanks to those who answered a few of my silly questions.

--

72 de Jeff, N9AVG  
QRP-L 1640

-----  
Date: Sat, 06 Feb 1999 10:49:47 -0800  
From: "Eric Swartz - Elecraft, WA6HHQ" <erics@elecraft.com>  
To: QRP-L <qrp-l@lehigh.edu>, jskalski@buffnet.net  
Subject: [32275] Re: K2 S/N? yes!  
Message-ID: <36BC8ECB.F7E6B6AD@elecraft.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Yes, all K2's will have a serial number.

73, Eric  
<http://www.elecraft.com>

-----  
Date: Sat, 6 Feb 1999 13:51:28 EST  
From: K2UD@aol.com  
To: qrp-l@Lehigh.EDU  
Subject: [32276] NC-20 Power Jack  
Message-ID: <a7f099cd.36bc8f30@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Chuck, K5F0 mentioned standardizing the power jack on the NC-20 to a 2.5mm type. This makes sense, it will allow you to use the same power cord for the NC-40, 38 Special and others.

It looks like Mouser's 16PJ032 should be a drop-in replacement for the 2.1mm jack. I'll find out soon when it comes in.

I'm basically cheap and lazy and don't wish to make a seperate cord for the NC-20, so I'll replace mine too!

GL to all. Super kit, better than a Heathkit in many respects.

72,

Howard Kraus, K2UD

-----  
Date: Sat, 6 Feb 1999 10:58:25 -0800 (PST)  
From: Ron Stark <ku7y@dri.edu>  
To: Wayne Burdick <n6kr@elecraft.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32277] Re: If you bring your K2 to the NorCal meeting....  
Message-ID: <Pine.SOL.3.96.990206105712.25763A-100000@vortex.dri.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 6 Feb 1999, Wayne Burdick wrote:

> ...make sure you put your callsign on it somewhere! They're impossible to  
> tell apart otherwise :)

And if anyone can't remember their callsign, just go ahead and  
put KU7Y on it..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

-----  
Date: Sat, 06 Feb 1999 12:08:57 -0700  
From: NORC <rwc@frii.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32278] Re: If you bring your K2 to the NorCal meeting....  
Message-ID: <3.0.5.32.19990206120857.0082a100@mail.frii.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:36 AM 2/6/99 -0800, Wayne Burdick wrote:

>...make sure you put your callsign on it somewhere! They're impossible to  
>tell apart otherwise :)

>

Future enhancement idea: How about a socket for an EPROM whose contents can be dumped to the display, or out the serial port? Callsign, op name...etc. could then be stored in the rig.

---

72/3 NØRC  
Rod Cerkoney, QRP-L #1764.  
Fort Collins, CO  
da di dah

-----

Date: Sat, 06 Feb 1999 14:20:21 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [32279] FYBO  
Message-ID: <36BC95F4.6466179C@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

At 1919 UTC 20 meters is jumping with FB  
QRP signals into SW FL.  
K5LN is BOOMING!  
Hear signals from CA. to New England.

Tom, N1TP, Naples.

-----

Date: Sat, 06 Feb 1999 11:46:44 -0800  
From: David Fifield <fifield@pacbell.net>  
To: n6kr@elecraft.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32280] Re: If you bring your K2 to the NorCal meeting....  
Message-ID: <36BC9C24.8E44CA72@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Jolly good point Wayne!

Same goes for the NorCal 20 rigs too! Make sure you can identify yours - obviously if you've painted it then you'll be able to tell,



but my bet is there will be lots still at the bare metal stage still  
(including mine!).

I'm really looking forward to this months meeting! See you all there  
tomorrow.

Dave Fifield, AD6A

Wayne Burdick wrote:

>  
> ...make sure you put your callsign on it somewhere! They're impossible to  
> tell apart otherwise :)

-----

Date: Sat, 06 Feb 1999 11:50:01 -0800  
From: David Fifield <fifield@pacbell.net>  
To: K2UD@aol.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32281] Re: NC-20 Power Jack  
Message-ID: <36BC9CE9.3770A880@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I didn't give much thought to the power jack for the NC20 I'm afraid.  
Doug had a huge bag of power jacks from somewhere, so I guess we just  
sorta "used" them! It's a good point, and I'll make the change for  
the commercial version....if and when it happens....(stay tuned).

Dave Fifield, AD6A

K2UD@aol.com wrote:

>  
> Chuck, K5F0 mentioned standardizing the power jack on the NC-20 to a 2.5mm  
> type. This makes sense, it will allow you to use the same power cord for the  
> NC-40, 38 Special and others.  
(snip)

-----

Date: Sat, 06 Feb 1999 12:05:17 -0800  
From: David Fifield <fifield@pacbell.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32282] FYBO - Apology  
Message-ID: <36BCA07D.3163328B@pacbell.net>  
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Apologies to everyone I have, and will, subject to my rotten fist during the FYBO contest! Seems that I've been spending too much time on the NC20 workbench and not enough time actually on the air! It's coming back to me slowly though, so bear with me! The crudy set of paddles I have doesn't help any...keeps missing dits.

Just went indoors and found my ski thermal undies....I was beginning to feel the cold through to my bones...brrrrr.... Having a blast so far though - back to 20m...

C ya,  
Dave Fifield, AD6A

-----  
Date: Sat, 6 Feb 1999 15:07:36 EST  
From: KB9OCE@aol.com  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32283] WTB-I'M LOOKING FOR....  
Message-ID: <7aeed85a.36bca108@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

...a two meter HT. Like the muffler commercial, I don't want to pay alot for it. If I wanted to do that, I'd buy brand new or a dual band, right? :o) I have had a HTX-202 and would consider that, or possibly an ALINCO. Please respond direct via email.

Thanks and 73  
Mike Truax  
Portage, IN

-----  
Date: Sat, 6 Feb 1999 11:35:02 -0900  
From: Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>  
To: qrp-l@lehigh.edu  
Subject: [32284] FYBO - 15M to Alaska...  
Message-ID: <v03007800b2e25760fa56@[208.151.118.69]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

Sat @ 2030 UTC ... Lots of signals on 20M but quite weak here in the North Latitudes... Just checked 15M and signals are strong... Will hang there for a while and keep checking 10M from time to time...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H  
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>  
- 10 Meter Beacon: 28.2825 +/- KL7AQC / BCN

-----  
Date: Sat, 6 Feb 1999 15:43:25 EST  
From: N10DL@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [32285] Parking lot Vertical  
Message-ID: <dae870ea.36bca96d@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

Could you agfain post the web page to read about your findings, my computer shut down on me before I could save the article.

Thanks  
Aron Brown  
qrp-1#1326  
FISTS#4110  
Bedford, NH

-----  
Date: Sat, 06 Feb 1999 12:05:26 -0900  
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>  
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>  
Subject: [32286] AL7FS FYBO 2100z  
Message-ID: <36BCAE96.28F59ED7@pobox.alaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Greetings from Alaska!

The sun is up and the day is beautiful. Cold, but beautiful.

As Bruce, KL7H, mentioned, it is a hard go on 20 meters. For me, 15 meters is dead at this time. Five minutes of CQ on 21.061 produced nothing.

On 20 meters, my noise level came up to S-1 and that is enough to cover the signals. I must confess, a lot of the 339 or even 449 RSTs I give out are really 309 or 409 if I were to use the meter. I figured that made no sense.

So far, AD6A-CA, WQ0RP-MN, WE6W-CA, W6MV-CA, N7JI-OR and AB7MY-AZ. Gary in AZ was up and down from zero copy to max of 339.

The noise was getting to me so it is time for a 30 minute break. I felt like I was operating EME again...just listening to noise. I did a lot of that on 2 meter EME.

Five hours to go. I hope I get a few more of you.

Jim

--

73, Jim Larsen, AL7FS -- Anchorage, Alaska  
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009 IA QRP #016  
(BP51cc)@61.1009636 North 149.8237915 West(approximately)  
mailto:al7fs@qsl.net ICQ 11022915 => <http://www.mirabilis.com/>

-----  
Date: Sat, 06 Feb 1999 16:34:27 -0500  
From: Tom Palmer <n1tp@worldnet.att.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [32287] FYB0  
Message-ID: <36BCB563.F0A706E1@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

15 meters is going long.  
Idaho and Washington coming  
into Florida.  
Tom, N1TP, Naples.

-----  
Date: Sat, 6 Feb 1999 16:39:05 EST  
From: WD6BOR@aol.com  
To: qrp-1@lehigh.edu  
Subject: [32288] Ham magazines at Norcal meeting  
Message-ID: <4f91d27a.36bcb679@aol.com>  
Mime-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit  
Content-Transfer-Encoding: 7bit

This is for the Norcal folks who will be at the Norcal meeting tomorrow, February 7. I have already loaded up my truck for the swap meet and will be there rain or shine. The pickup bed is loaded with back issues of ham magazines. I've been collecting them for several years to use as reference materials in the electrical apprenticeship class I teach and finally got around to sorting them over the holiday break. These will be either duplicate copies or copies over twenty years old of QST, CQ, 73 and whatever else was donated. I was planning on selling them at the swap for whatever I could get, but any Norcal QRP'er who identifies him or herself can have as many as they like gratis. I'm taking pains to keep them covered and dry but don't want to unload them and load them again. So tomorrow is it.

I'm looking forward to seeing "the gang" again. I haven't been able to make a meeting in what seems like many months so I'm eager to make the pilgrimage to Livermore one more time.

See you tomorrow!

72,  
Darrel, WD6BOR

PS. Look for the brown '80 Toyota pickup. I'll be the one wearing a white carnation in my left lapel. The code word is "zombie". Bring the microfilm.

-----  
Date: Sat, 06 Feb 1999 15:37:34 -0600  
From: John Sullivan <kg0mz@southwind.net>  
To: qrp-1@Lehigh.EDU  
Subject: [32289] NC-20  
Message-ID: <36BCB61E.C60E6DF@southwind.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I have NC20 all over the bench. FYBO sounds inviting, but I am more interested in breathing solder fumes. I can't shake the sense that this zombie(#118) is not worthy. The kit rules. Any and all of those responsible are entitled to a free cup of joe or a brewesky anytime in Wichita.

A comment or two on the process up through L1...I found it helpful to screw the case top on while soldering the front panel components. Helps to keep the panel perpendicular to the PCB. I first used a spacer, but then found I didn't need one between the 10-turn and the panel. Oh, if you have a 5/8" nylon screw use it to mount L1. Unless you like to swear at inanimate objects, in this case the 1/2" nylon screw.

72 de kg0mz wichita ks qrp-l #764

-----  
Date: Sat, 06 Feb 1999 14:52:43 -0800  
From: David Fifield <fifield@pacbell.net>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32290] FISTS?  
Message-ID: <36BCC7BB.48BAD8C2@pacbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

Tell me I'm imagining things please. A load of FISTS members just descended on 20m around 14.060 a few minutes ago (22:40z) and started CQ'ing all over the QRP'ers that had been there all day....I don't believe they couldn't hear us, and I didn't hear a single one of them QRL? their frequencies.

Dave F.  
AD6A

-----  
Date: Sat, 6 Feb 1999 16:17:11 -0800  
From: "Francis Callahan" <colcal@srv.net>  
To: <fifield@pacbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [32291] Re: FISTS?  
Message-ID: <199902062305.QAA23415@srv.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

I heard that also they were loud here in Idaho and so I think they just decided to use the freq regardless bands not good here with a lot of qrn  
72 Cal KF7ET

-----  
> From: David Fifield <fifield@pacbell.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: FISTS?  
> Date: Saturday, February 06, 1999 2:52 PM  
>  
> Tell me I'm imagining things please. A load of FISTS members  
> just descended on 20m around 14.060 a few minutes ago (22:40z)  
> and started CQ'ing all over the QRP'ers that had been there  
> all day....I don't believe they couldn't hear us, and I didn't  
> hear a single one of them QRL? their frequencies.  
>  
> Dave F.  
> AD6A

-----  
Date: Sat, 6 Feb 1999 17:16:40 -0600 (CST)  
From: Bruce Rattray <ratttray@gpfn.sk.ca>  
To: k5zty@juno.com  
Cc: Low Power Group <qrp-1@LeHigh.EDU>  
Subject: [32292] Re:Bruce and the FOX  
Message-ID: <Pine.LNX.3.95.990206171346.12473B-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...oh woa is me!.....I hang my head in shame while I lash myself with the honourable retty snitch followed by the wouff hong....I am indeed a miserable soul!.....ROTFL?

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada  
"QRP! How sweet it is!"

On Fri, 5 Feb 1999 k5zty@juno.com wrote:

> All of this from an "A1 Operator".  
> ROTFL.  
>  
> Bill, K5ZTY  
>  
>

-----  
Date: Sat, 6 Feb 1999 16:17:00 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: David Fifield <fifield@pacbell.net>, qrp-1@lehigh.edu  
Subject: [32293] Re: FISTS?  
Message-ID: <199902062317.QAA17683@edison.chisp.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-Transfer-Encoding: 7BIT

>>I don't believe they couldn't hear us, and I didn't  
hear a single one of them QRL? their frequencies.  
<<

I didn't hear QRL? But I did hear a very strong QRL CQ.... no question mark  
and no listening time.

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@MorseX.com  
Morse Express  
"Everything for the Morse Enthusiast"  
<http://www.MorseX.com>  
(303)752-3382  
--

-----  
Date: Sat, 6 Feb 1999 17:31:26 -0600 (CST)  
From: ac5ez@webtv.net (Larry B)  
To: qrp-1@Lehigh.EDU  
Subject: [32294] contact cleaning  
Message-ID: <23694-36BCD0CE-772@mailtod-122.bryant.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)  
Content-Transfer-Encoding: 7Bit

After wiring up my new used mfj paddles , they didnt work. Put the  
correct plug on the cable and now , just dahs , no dits. Dirty contact  
on the dit side. No nail file and no brown paper. had to use white  
notebook paper. Success !! Two qsos on 20m and two on 40m, the paddles



work.

What would be the best thing to use to clean the contacts on these paddles ?

K1zw

-----  
Date: Sat, 06 Feb 1999 18:35:23 -0500  
From: "The one and only!" <mitch96@pobox.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32295] test do not read  
Message-ID: <36BCD1BB.F9B824F1@pobox.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

test test test test

-----  
Date: Sat, 06 Feb 1999 17:38:41 -0600  
From: "George T. Baker" <w5yr@swbell.net>  
To: fifield@pacbell.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32296] Re: FISTS?  
Message-ID: <36BCD281.EBEE8C1E@swbell.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit  
Content-Transfer-Encoding: 7bit

The FISTS calling frequency is 14.058.

72/73, George

Amateur Radio W5YR, in the 53rd year and it just keeps getting better!  
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County  
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

-----  
Date: Sat, 6 Feb 1999 15:52:49 -0800  
From: "Steve Miller" <kg7pv@hevanet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [32297] Re: Rigs for Sale - lower prices  
Message-ID: <002301be522b\$ced3a200\$4f3ca3ce@kg7pv>  
MIME-Version: 1.0

Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

The Emtech 20 has been sold. The OHR 30 meter Spirit II is still available.  
It included the internal, OHR iambic keyer and is one fine radio. 73

Steve Miller kg7pv@hevanet.com  
Portland,OR

Norcal #308, ARCI #9230, QRP-L # 109

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End of QRP-L Digest 1359

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